

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE 1 OF 1
2. AMENDMENT/MODIFICATION NO. M114	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY U. S. Department of Energy Office of Civilian Radioactive Waste Management 1551 Hillshire Drive Las Vegas, Nevada 89134-6321	7. ADMINISTERED BY (If other than Item 6)		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Bechtel SAIC Company, LLC 1180 Town Center Drive Las Vegas, Nevada 89144	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC28-01RW12101
		10B. DATED (SEE ITEM 13) November 14, 2000
CODE	FACILITY CODE	

**EXECUTED
COPY**

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) **N/A**

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT /ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and Bilateral Modification; Pursuant to Contract Clause H.18 " Work Authorization System" and by mutual agreement of the parties.

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return **3** copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incorporate Fiscal Year (FY) 2008 provisional Work Authorization Directives (WADs), in accordance with the contract cited on Block 10A, above. The following provisional WADs are incorporated into the contract for the period of October 1, 2007 through March 31, 2008, and are attached hereto:

Summary of Direct Costs

Attachment 1 – Yucca Mountain Project (YMP0008, Rev. 00)	\$ 71,473,000
Attachment 2 – National Transportation Project and Nevada Rail Project (NT00008, Rev. 00)	\$ 3,500,000
Attachment 3 – Program Management and Integration (PMI0008, Rev. 00)	\$ 2,050,000
Attachment 4 – Quality Assurance (QA00008, Rev. 00)	\$ 3,000,000
Total FY08 WADs	\$ 80,023,000

All other contract terms and conditions remain unchanged.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) T.R. MCKINNEY, VICE PRESIDENT & DEPUTY GENERAL MGR.	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Spencer R. Peterson, Contracting Officer
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED 9/28/07
16B. UNITED STATES OF AMERICA BY <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 9/28/07

U. S. DEPARTMENT OF ENERGY
WORK AUTHORIZATION DIRECTIVE
To
BECHTEL SAIC COMPANY, LLC

Management & Operating (M&O) Contractor for the
U.S. DOE OCRWM

1. PROJECT TITLE: YUCCA MOUNTAIN PROJECT
2. WAD NO: YMP0008 Provisional
3. REVISION: 00
4. RESOURCE REQUIREMENT:
5. CONTRACT LINE ITEM #:
6. PERFORMANCE PERIOD: October 1, 2007 to March 31, 2008

ESTIMATED BASELINE COSTS (\$ in k)

	FY 2008 Workscope Rev 00	Total Cost
TOTAL COST	71,473 *	71,473

* Does not include fee

7. SUMMARY OF WORK AUTHORIZED:

The work scope includes design, procure and construct a monitored geologic repository to receive and emplace Spent Nuclear Fuel and High-Level Waste. Major activities are identified in the WBS: Project Support (1.5.01), preparation of License Application (1.5.02), Safety Analysis and Assessment (1.5.03), Initial Infrastructure Readiness (1.5.05), Balance of Plant Infrastructure (1.5.06), Subsurface Repository (1.5.12), Waste Package (1.5.13), Aging Facilities & Equipment (1.5.18), Nuclear Facilities (1.5.19), Pre-CA Operations (1.5.20), and EPC Distributables (1.5.21).

8. RESPONSIBLE DOE OFFICIAL:


Contracting Officer's Representative

9/29/07
Date

Name & RW Code

9. DOE WORK AUTHORIZATION OFFICIAL:


Contracting Officer

9/28/07
Date

10. M&O GENERAL MANAGER:


Ted C. Feigenbaum

9/28/07
Date

WAD No: YMP0008 Provisional**Revision: 00****Title: Yucca Mountain Project****A. SCOPE OF WORK**

The Contractor shall perform the work scope for the WBS areas listed below as specified in the Multi-Year Planning System (MYPs).

Bechtel SAIC Company (BSC) shall perform all work in accordance with the QA program requirements.

Major areas under this WAD are:

<u>WBS Title</u>	<u>WBS Number</u>	<u>Total Cost</u>
Project Support	1.5.01	\$13,626
License	1.5.02	\$9,743
Safety Analysis And Assessment	1.5.03	\$7,900
Initial Infrastructure Readiness	1.5.05	\$500
Balance of Plant Infrastructure	1.5.06	\$1,618
Subsurface Repository	1.5.12	\$2,091
Waste Package	1.5.13	\$1,616
Aging Facilities & Equipment	1.5.18	\$292
Nuclear Facilities	1.5.19	\$22,394
Pre-CA Operations	1.5.20	\$9,753
EPC Distributables	1.5.21	\$1,940

Funds to be identified for the level 3 WBS elements on page 2.
Funds will be consistent with the annual allocation to DOE Office Directors on the attached Funding Transfers sheet.

BSC Reconciliation for Funding Transfers Between DOE Office Directors

Line	A	B	C	D	E	F	G	H	I	J	K	L	M
		QA	Chief Scientist	Chief Engineer (Including M&O fee)	Regulatory Authority	RM and YM SOO	Waste Mgmt	Logistics Mgmt	PM / Procure	External Affairs	Disposal Operations	Government Services	Total BSC
1	DOE Initial Planning Guidance @ 7/15/07	\$ 5,000	\$ 2,200	\$ 91,500	\$ 19,200	\$ 36,000	\$ 3,100	\$ 7,000	\$ 5,500	\$ 2,500	\$ 9,000	\$ -	\$ 182,000
2													
3	BSC Recommendations @ 8/24/07 for \$182.0M												\$ -
4	Defer Lower Priority Work Scope to FY 2009					\$ (3,000)							\$ -
5	LSN Support (Original Request = \$645K)				\$ 322						\$ (1,875)		\$ (4,875)
6	LA Completion (Original Request = \$1,900K)				\$ 950								\$ 322
7	Business Systems Support to Lead Lab (Original Request = \$1,600K)		\$ 1,000										\$ 950
8	SEIS Support and Printing				\$ 710								\$ 1,000
9	Pre-closure Criticality (Original Request = \$1,000K)			\$ 1,000									\$ 710
10	PCSA (Original Request = \$2,600K)			\$ 1,000									\$ 1,000
11	SMF Support to Lead Lab Nye County and Inyo County Drilling Programs (Original Request = \$250K)		\$ -										\$ 1,000
12	DOE Initial Planning Guidance @ 7/15/07			\$ 2,000		\$ (2,000)							\$ -
13	DOE Initial Planning Guidance @ 7/15/07		\$ 300	\$ 500									\$ -
14	Repository Design			\$ 1,025									\$ -
15	Reduce License Integration and NRC Interactions to Cover Business Systems Support to Lead Lab				\$ (989)								\$ 1,025
16	Adjustment to M&O Fee to Balance			\$ (145)									\$ (989)
17	Subtotal	\$ -	\$ 1,300	\$ 1,500	\$ 995	\$ (5,000)	\$ -	\$ -	\$ -	\$ (1,875)	\$ -	\$ -	\$ (145)
18	BSC Recommendation @ \$182.0M Level (rounded)	\$ 5,000	\$ 3,500	\$ 95,000	\$ 20,195	\$ 31,000	\$ 3,100	\$ 7,000	\$ 5,500	\$ 2,500	\$ 7,125	\$ -	\$ 182,000
19	Additions to \$182.0M												\$ -
20	BSC DOE Records Correspondence & Mail Support												\$ -
21	DOE Initial Planning Guidance @ 7/15/07												\$ 400
22	Processing Records of Non-Fuel Cycle Records					\$ 300							\$ 300
23	Emergency Management Notification System (Scope of \$400K; \$125K of Funds Transferred from Disposal Operations)					\$ 250							\$ 250
24	Subtotal Add'l Funding Transfer Recommendations	\$ -	\$ -	\$ -	\$ -	\$ 850	\$ -	\$ -	\$ -	\$ -	\$ (125)	\$ -	\$ 275
25	BSC Recommendation for Final DOE Planning Guidance @ 8/24/07 (Rounded)	\$ 5,000	\$ 3,500	\$ 95,000	\$ 20,195	\$ 31,000	\$ 3,100	\$ 7,000	\$ 5,500	\$ 2,500	\$ 7,000	\$ 400	\$ 182,225
26													
27	Forecast FY 2007 Unenclosed Carryover - Projects			\$ 1,700	\$ (1,800)	\$ 3,000		\$ 700	\$ 800		\$ 300	\$ 570	\$ 8,070
28	Forecast FY 2007 Unenclosed Carryover - Lease Scoring (Committed in FY 2008)											\$ 8,000	\$ 8,000
29													\$ 14,070
30													

31	Chronological Reconciliation from 8/6 to 8/24												
32	Gap on 8/6/07 from BSC Discussion Paper	\$ (8,708)											
33	Rose Dyer eliminates BSC SMF Support to Drilling Programs	\$ 250											
34	Reduce LSN Support from \$645K to \$322K	\$ 322											
35	Reduce LA Completion from \$1,900K to \$950K	\$ 950											
36	Jim Holden provides \$3,000K to QCS and QCE	\$ 3,000											
37	PCSA reduced from \$2,600K to \$1,000K	\$ 1,600											
38	Paul Harrington increases Design by \$1,025K	\$ (1,025)											
39	BSC Reduces Business Systems Support to SNL from \$1,600K to \$1,000K	\$ 600											
40	BSC Reduces License Integration and NRC Interactions to Cover Business Systems Support to Lead Lab	\$ 989											
41	BSC Streamlines Funding Above \$182.0M for Records Management	\$ 400											
42	BSC Streamlines Funding Above \$182.0M for Ceramtec Repairs Support to Lead Lab	\$ 300											
43	BSC Streamlines Funding Above \$182.0M for Processing Backlog of Non-Fuel Cycle Records	\$ 250											
44	Dick Spence Adds \$400K for Emergency Management Notification System (Offset by \$125K from Disposal Operations)	\$ 275											
45	Adjustment to Balance	\$ 18											
46	Adjustment to \$182.0M Initial Planning Guidance	\$ 1,225											

By October 20, 2007, BSC will provide DOE with a FY 2008 Financial Plan that will appropriate the \$183,225M budget with FY 2007 unenclosed carryover. It should be noted that BSC will use a significant portion of the unenclosed carryover to fund employee severance costs in FY 2008, estimated from \$2.0M to \$4.0M, and then allocate the remaining unenclosed carryover to other planning priorities.

As of July 2007, BSC is carrying a \$10.0M unfavorable schedule variance to the Office of Civilian Radioactive Waste Management-wide Integrated baseline. The current BSC estimate for FY 2007 unenclosed carryover is \$14.1M, which includes \$6.0M of lease scoring commitment that is required for FY 2008, and is not available for other project priorities. Thus, the forecast for unenclosed carryover is \$8.1M, less the need to fund severance costs.

Line													
47	Adjustments Recommended by BSC												
48	Adjustments Recommended by Jim Holden, Paul Harrington & Ron Tostati												
49	Adjustments Recommended by Ken Irwin & Rick Knauth for Business Systems Support to Lead Lab												
50	Adjustments Committed by Rose Spolmer on Initials Provided on 8/15/07 and 8/24/07												
51	Adjustment Recommended by Dick Spence per Meeting with BSC on 8/23/07												

U. S. DEPARTMENT OF ENERGY
WORK AUTHORIZATION DIRECTIVE
To
BECHTEL SAIC COMPANY, LLC

Management & Operating (M&O) Contractor for the
U.S. DOE OCRWM

1. PROJECT TITLE: TRANSPORTATION

2. WAD NO: NT00008 Provisional

5. CONTRACT LINE ITEM #:

3. REVISION: 00

6. PERFORMANCE PERIOD: October 1, 2007 to
March 31, 2008

4. RESOURCE REQUIREMENT:

ESTIMATED BASELINE COSTS (\$ in k)

TOTAL COST

* Does not include fee

FY 2008
Workscope
Rev 00

3,500 *

Total Cost

3,500

7. Summary of work authorized:

The WAD includes both the National Transportation Project and the Nevada Rail Project.

8. RESPONSIBLE DOE OFFICIAL:

[Signature]
Contracting Officer's Representative

9/28/07
Date

Name & RW Code

9. DOE WORK AUTHORIZATION OFFICIAL:

[Signature]
Contracting Officer

9/28/07
Date

10. M&O GENERAL MANAGER:

[Signature]
Ted C. Feigenbaum

9/28/07
Date

WAD No: NT00008 Provisional

Revision: 00

Title: Transportation

A. SCOPE OF WORK

The Contractor shall perform the work scope for the WBS areas listed below as specified in Multi-Year Planning System (MYPS).

Bechtel SAIC Company (BSC) shall perform all work in accordance with QA program requirements.

Major areas under this WAD are:

WBS Title

WBS Number

Transportation System

4.0

U. S. DEPARTMENT OF ENERGY
WORK AUTHORIZATION DIRECTIVE
To
BECHTEL SAIC COMPANY, LLC

Management & Operating (M&O) Contractor for the
U.S. DOE OCRWM

1. PROJECT TITLE: PROGRAM MANAGEMENT AND INTEGRATION
2. WAD NO: PM0008 Provisional
3. REVISION: 00
4. RESOURCE REQUIREMENT:
5. CONTRACT LINE ITEM #:
6. PERFORMANCE PERIOD: October 1, 2007 to March 31, 2008

ESTIMATED BASELINE COSTS (\$ in k)

TOTAL COST

* Does not include fee

FY 2008
Workscope
Rev 00

2,050 *

Total Cost

2,050

7. SUMMARY OF WORK AUTHORIZED:

The Program Management and Integration work scope includes: support in System Engineering, Systems Analysis, Total System Life Cycle Cost, Waste Acceptance, maintain the OCRWM integrated scope, cost and schedule baseline, and support to records management and mail support.

8. RESPONSIBLE DOE OFFICIAL:


Contracting Officer's Representative

9/28/07
Date

9. DOE WORK AUTHORIZATION OFFICIAL:

Name & RW Code


Contracting Officer

9/28/07
Date

10. M&O GENERAL MANAGER:


Ted C. Feigenbaum

9/28/07
Date

WAD No: PM10008 Provisional

Revision: 00

Title: Program Management and Integration

A. SCOPE OF WORK

The Contractor shall perform the work scope for the WBS areas listed below as specified in the Multi-Year Planning System (MYPS).

Bechtel SAIC Company (BSC) shall perform all work in accordance with QA program requirements.

Major areas under this WAD are:

<u>WBS Title</u>	<u>WBS Number</u>
Program Management and Integration	9.0

U. S. DEPARTMENT OF ENERGY
 WORK AUTHORIZATION DIRECTIVE
 To
 BECHTEL SAIC COMPANY, LLC

Management & Operating (M&O) Contractor for the
 U.S. DOE OCRWM

1. PROJECT TITLE: QUALITY ASSURANCE
2. WAD NO: QA00008 Provisional
3. REVISION: 00
4. RESOURCE REQUIREMENT:
5. CONTRACT LINE ITEM #:
6. PERFORMANCE PERIOD: October 1, 2007 to March 31, 2008

ESTIMATED BASELINE COSTS (\$ in k)

	FY 2008 Workscope Rev 00	Total Cost
TOTAL COST	3,000 *	3,000

* Does not include fee

7. SUMMARY OF WORK AUTHORIZED:

Provide BSC Quality Engineering, Site Quality, Quality Programs and Quality Audits activities to support the implementation of the DOE/RW-0333P Quality Assurance Requirements and Description (QARD) and DOE/RW-0565 Augmented Quality Assurance Program (AQAP) requirements.

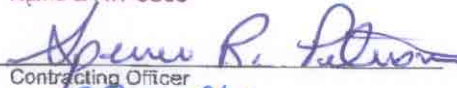
8. RESPONSIBLE DOE OFFICIAL:


 Contracting Officer's Representative

9/28/07
 Date

Name & RW Code

9. DOE WORK AUTHORIZATION OFFICIAL:


 Contracting Officer

9/28/07
 Date

10. M&O GENERAL MANAGER:


 Ted C. Felgenbaum

9/28/07
 Date

WAD No: QA00008 Provisional

Revision: 00

Title: Quality Assurance

A. SCOPE OF WORK

The Contractor shall perform the work scope for the WBS areas listed below as specified in the Multi-Year Planning System (MYPS).

Bechtel SAIC Company (BSC) shall perform the work in accordance with QA program requirements.

Major areas under this WAD are:

	<u>WBS Title</u>	<u>WBS Number</u>
Contractor(s)	Quality Assurance	8.3